Title (en)
Ink set, method using same, and recording

Title (de)
Tintensatz, Aufzeichnungsverfahren unter Verwendung desselben und aufgezeichnetes Bild

Title (fr)
assortiment d'encre, procede d'enregistrement a l'aide de cette derniere et impression

Publication
EP 1437391 A1 20040714 (EN)

Application
EP 04007868 A 20001227

Priority
- EP 00985969 A 20001227
- JP 37060499 A 19991227
- JP 2000116793 A 20000418
- JP 2000267197 A 20000904

Abstract (en)
Ink set contains a dark ink composition and a light ink composition which have the same colour but differ in concentration. Both composition contain a pigment as colourant and a resin as dispersant. The ratio (B 1/P 1) of the weight proportion B 1of resin in the dark ink composition and weight proportion P 1of the pigment is less than the ratio (B 2/P 2) of the weight proportion B 2of resin in the light ink composition and weight proportion P 2of the pigment, and B 1and B 2are different. Independent claims are also included for (1) an ink-jet recording method which emits drops of the ink compositions, adheres the drops to the recording medium and performs character printing using the ink set; (2) the recorded material which is recorded by this method; and (3) an ink cartridge which uniformly houses the ink set.

IPC 1-7
C09D 11/00

IPC 8 full level
B41J 2/01 (2006.01); **B41M 5/00** (2006.01); **C09D 11/00** (2014.01); **C09D 11/322** (2014.01); **C09D 11/324** (2014.01); **C09D 11/40** (2014.01)

CPC (source: EP US)
C09D 11/322 (2013.01 - EP US); **C09D 11/40** (2013.01 - EP US)

Citation (search report)
No relevant documents disclosed

Cited by
US7897655B2; WO2006052706A1

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
EP 1164173 A1 20011219; **EP 1164173 A4 20030226**; **EP 1164173 B1 20051207**; AT E312146 T1 20051215; AT E386090 T1 20080315; DE 60024600 D1 20060112; DE 60024600 T2 20060629; DE 60038062 D1 20080327; DE 60038062 T2 20080612; EP 1437391 A1 20040714; EP 1437391 B1 20080213; EP 1522563 A1 20050413; JP 2005023325 A 20050127; JP 2005068439 A 20050317; JP 3741273 B2 20060201; JP 4232202 B2 20090304; JP 4273418 B2 20090603; US 2003008938 A1 20030109; US 6924327 B2 20050802; WO 0148100 A1 20010705

DOCDB simple family (application)
EP 00985969 A 20001227; AT 00985969 T 20001227; AT 04007868 T 20001227; DE 60024600 T 20001227; DE 60038062 T 20001227; EP 04007868 A 20001227; EP 05000253 A 20001227; JP 0009354 W 20001227; JP 2001548624 A 20001227; JP 2004239437 A 20040819; JP 2004326774 A 20041110; US 91419801 A 20011113